

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 19-Nov-14

Time 6:05 PM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 062 Const Calendar Day: 266 Date: 01-Jun-2010 Tuesday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 07:00 am 10:30 pm Break: 04:00 Over Time: 04:00

Federal ID:

Location:

Reviewer: Mathur, Lalit

Approved Date: 04-Aug-10 Status: Approved

**04-0120F4  
04-SF-80-13.2/13.9  
Self-Anchored  
Suspension Bridge****Weather**

Temperature 7 AM 50 - 60 12 PM 60 - 70 4PM 50 - 60

Precipitation 0.00"

Condition AM Clouds PM Sun

Working Day ☐ If no, explain:**Diary:**

Dispute

**Work description.**

- Went to the Caltrans Richmond materials lab with John Beede to inspect the machine used for testing the compressive strength of 4"x8" concrete cylinders. Rob Ramos from Caltrop would perform the actual tests on the cylinders made from the field tonight.
- Continued to prepare for the 1st lift concrete placement of the W2E construction joint.
- Attended OBG weekly staff meeting at 9:30am.

**04-0120F4 Bid Item: 038 E-W2C-FPC.038 E Line W2 Cap Form & Pour Closure Joint**

AMERICAN BRIDGE/FLUOR, A JV

**Labor**

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
<b>Contractor:</b> AMERICAN BRIDGE/FLUOR, A JV								
Operator	OTH	KEVIN ALGER	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	JNM	AARON KENT	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Semi-Skilled Laborer	JNM	JOSE PRADO	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Semi-Skilled Laborer	JNM	IGNACIO GARCIA	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Semi-Skilled Laborer	JNM	RIGOBERTO CAMPOS	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Semi-Skilled Laborer	JNM	EVERARDO HERNANDEZ	0.00	0.00	0.00	0.00		<input type="checkbox"/>

**Equipment**

Equipment ID	Description	RT Hrs	OT Hrs	ST Hrs	IT Hrs	Rental Company	Remarks	Dispute
<b>Contractor:</b> AMERICAN BRIDGE/FLUOR, A JV								
2270	AIR COMPRESSOR-DSL/PORTABLE, 185 CFM	0.00	0.00	0.00	0.00		No	<input type="checkbox"/>
2002	GENERATOR, MQ DCA 220	0.00	0.00	0.00	0.00		No	<input type="checkbox"/>
002071	LIGHT TOWER, 4000 WATT	0.00	0.00	0.00	0.00		No	<input type="checkbox"/>
002055	LIGHT TOWER, 4000 WATT	0.00	0.00	0.00	0.00		No	<input type="checkbox"/>
002054	LIGHT TOWER, 4000 WATT	0.00	0.00	0.00	0.00		No	<input type="checkbox"/>

**Diary:**

Dispute

**Work description.** 038 E-W2C-FPC.038

- Checked the air pressure of the inflatable mandrels used as a blockout for the continuity tendon through the W2E closure pour joint.



## Daily Diary Report by Bid Item

**Job Name:** 04-0120F4

**Inspector Name:** Bruce, Matt

**Diary #:** 062

**Date:** 01-Jun-2010 **Tuesday**

- Assisted Conco with concrete placement operations.

**Work description.** **038** E-W2C-CON.038

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### Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
<b>Contractor:</b> AMERICAN BRIDGE/FLUOR, A JV								
Operator	OTH	KEVIN ALGER	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	JNM	AARON KENT	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Semi-Skilled Laborer	JNM	JOSE PRADO	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Semi-Skilled Laborer	JNM	IGNACIO GARCIA	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Semi-Skilled Laborer	JNM	RIGOBERTO CAMPOS	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Semi-Skilled Laborer	JNM	EVERARDO HERNANDEZ	0.00	0.00	0.00	0.00		<input type="checkbox"/>

### Equipment

Equipment ID	Description	RT Hrs	OT Hrs	ST Hrs	IT Hrs	Rental Company	Remarks	Dispute
<b>Contractor:</b> AMERICAN BRIDGE/FLUOR, A JV								
2270	AIR COMPRESSOR-DSL/PORTABLE, 185 CFM						No	<input type="checkbox"/>
		0.00	0.00	0.00	0.00			
2002	GENERATOR, MQ DCA 220						No	<input type="checkbox"/>
		0.00	0.00	0.00	0.00			
002071	LIGHT TOWER, 4000 WATT						No	<input type="checkbox"/>
		0.00	0.00	0.00	0.00			
002055	LIGHT TOWER, 4000 WATT						No	<input type="checkbox"/>
		0.00	0.00	0.00	0.00			
002054	LIGHT TOWER, 4000 WATT						No	<input type="checkbox"/>
		0.00	0.00	0.00	0.00			

### Diary:

**Work description.** **038** E-W2C-FPC.038

- Checked the air pressure of the inflatable mandrels used as a blockout for the continuity tendon through the W2E closure pour joint.

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- Assisted Conco with concrete placement operations.

**Work description.** **038** E-W2C-CON.038

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**04-0120F4** **Bid Item:** 038 **E-W2C-CON.038** **E Line W2 Cap Place & Cure Concrete**

CONCO PUMPING

### Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
<b>Contractor:</b> CONCO PUMPING								
Cement Mason	APP	Cesar Velasco	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Cement Mason	APP	Kirbby Navarro	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Operator	JNM	Dino Del Monte	0.00	0.00	0.00	0.00		<input type="checkbox"/>

### Equipment

Equipment ID	Description	RT Hrs	OT Hrs	ST Hrs	IT Hrs	Rental Company	Remarks	Dispute
<b>Contractor:</b> CONCO PUMPING								
*E0070298	CONCRETE PUMPS						No	<input type="checkbox"/>
		0.00	0.00	0.00	0.00			

### Diary:

**Work description.** **038** E-W2C-CON.038

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## Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Bruce, Matt

Diary #: 062

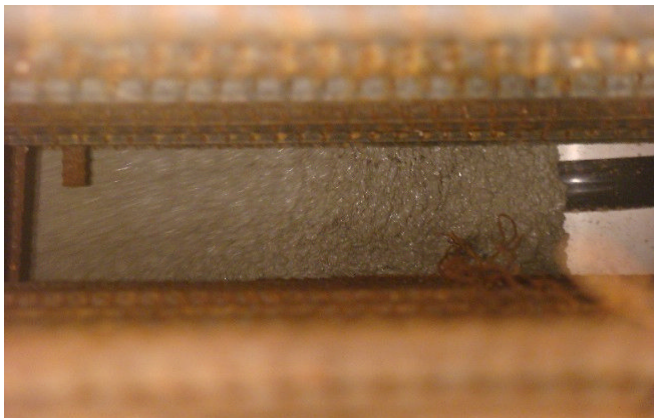
Date: 01-Jun-2010 Tuesday

- Placed approximately 10 cubic meters of SCC mix design number 1507457 which was approved per submittal 1529R01 into the W2E construction joint. Pertinent representatives at the concrete placement including myself were Ric Maggenti, Paul Jefferson, John Beede, Masoud Modanlou, Jim Davidson, Jerry Kent, Scott Tudor, Eric Blue, Bob Foley (Cemex), and Gary Brandt (Conco). The concrete mix quantities for the trucks and the addition of admixtures to the SCC were approved at the direction of Ric Maggenti.

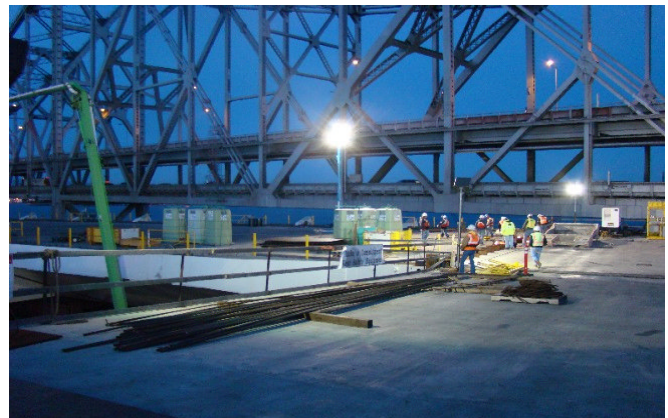
The following commentary is the observations seen during the placement of concrete:

- 1.) The first truck arrives on the jobsite at 8:50pm which is the slurry mix used to prime the pump.
- 2.) The second truck arrives with SCC at 9:14pm and 12 Gallons of Daraset 400 (accelerator), 128 ounces of Super P, and 5 Gallons of water are added to this load. A slump flow test was not taken for this truck due to the quick set time of the mix with the accelerator added. One set of cylinders were supposed to be made for the compressive strength of the concrete for 2, 7, 28, and 56 days.
- 3.) Placement of the slurry primer in the washout bin on top of W2 began at 9:40pm until the SCC mix was seen coming out the end of the hose. At this moment approximately 5 minutes after the slurry primer was completely discharged, and concrete placement began in the W2E construction joint. The temperature of the SCC discharged in the washout bin was 61F taken with the temperature gun. Also the ambient temperature at this time was 55F.
- 4.) The initial placement of SCC was flowing in the forms around the rebar, OBG lift 1E stiffener plates, and inflated mandrels. The pipe attached to the concrete pump was placed down through the rebar approximately 6ft south from the E-line.
- 5.) PVC pipe rings were found at 9:56pm dislodged approximately near continuity tendons CT-E28B to 34B.  
ABF laborers resolved this issue prior to additional concrete being placed in this area.
- 6.) It was discovered at 10:00pm that the concrete was beginning to set-up or harden in the forms prior to consolidating properly. Conco laborers began to vibrate the concrete intermittently from 10:00pm to 10:10pm that began to set up in this area in an effort to move it around. Also at this time Conco laborers began to discharge the SCC which had the accelerator added to it into the washout bin, see photo below.
- 7.) When the SCC with the added accelerator was completely discharged from the pump at 10:20pm the concrete from the third and final truck was placed into the forms approximately 12 ft north of the E-Line. The remaining concrete was placed around the concrete in the center that began to harden prior to proper consolidation. ABF engineers Scott Tudor and Eric Blue checked the elevations of the concrete to ensure enough area for stressing continuity tendons 15B, 16B, 27B, and 28B. Concrete placement was complete at 10:36pm and the joint was not covered with curing blankets.

### Attachment



SCC flowing through the forms, around rebar, stiffner plates, and inflated mandrels.



Preparing to place the first lift of the W2E closure pour joint, notice the washout bin adjacent to the closure joint.

## Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Bruce, Matt

Diary #: 062

Date: 01-Jun-2010

Tuesday



Moment where the concrete began to set-up in the pump, and had to be discarded in the washout bin.



Concrete with the accelerator Daraset 400 which began to set up.



Machine used to break the 4"x8" cylinders for early breaks.



One Hinge K pipe beam assembly which was transported to YBI and placed near W3L over the weekend.